

3:35–4 pm **Facies Classification of Multi-attribute Color Blends**, Gaynor Paton (*ffA*)

4–4:25 pm **Supporting Data in the Public Domain: Statoil Gullfaks Donation, etc.**, Curator Crew

6:30–8 pm Forum Dinner

Thursday, 23 August 2012

8–9 am Continental Breakfast–Riverside Ballroom

8:50–9 am Opening

Session Chairmen: Ron Masters and Steven Getz

Session 10: Crossover Studies

9–9:25 am **Re-tooling Workflows in Minerals Exploration to Accommodate Exploration Undercover**, Ken Witherly (*Condor Consulting, Inc.*)

9:25–9:50 am **Volume-rich Seismic and Rock Physics Analysis for Geothermal Reservoir Characterization**, Evan Bianco (*Agile Geoscience*)

9:50–10:05 am Coffee Break

Session 11: The Road Ahead

10:05–10:30 am **Beyond the Horizon: A Vision for Integrated Quantitative Earth Model Analysis**, Randal Kissling (*ExxonMobil Development Company*) Keynote

10:30–11:30 am **Panel: Road Ahead**

NOTES:



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IQ Earth Forum 21st-century Interpretation



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19–23 August
Avon, Colorado, USA

IQ Earth Forum

21st-century Interpretation

►Sunday, 19 August 2012

3–5 pm Registration
5:30–7 pm Welcome Reception

►Monday, 20 August 2012

7:30–8:30 am Continental Breakfast–Riverside Ballroom
8:20–8:30 am Opening and Welcome by Ron Masters

Session Chairmen: Steven Getz and Evon Hostetter

8:30–9 am **Keynote: Why IQ Earth Matters**, Bob Hardage (*SEG President*)

Session 1: Inversion

9–9:25 am **Integration of Geology and Geophysics for Subsalt Post-stack Inversion**, Huyen Bui (*Schlumberger/WesternGeco Earth Model Building CoE*)
9:25–9:50 am **Quantitative Risk Reduction Across Multiple Earth Scales**, Peter Wang (*WesternGeco*)
9:50–10:05 am Coffee Break

Session 2: Reservoir Characterization: Quantitative Interpretation

10:05–10:30 am **Beyond Polygon: 21st-century AVO Cross Plot**, Ron Masters (*Headwave, Inc.*)
10:30–10:55 am **Integrating Seismic, CSEM and Well Log Data for Reservoir Characterisation**, James Tomlinson (*RSI*)
10:55–11:20 am **Quantitative Interpretation of the McKay Oil Sands Thermal Area: Case Study**, Amanda Knowles (*Sound QI Inc.*)
11:30 am–1:30 pm ... Lunch–Riverside Terrace

Session Chairmen: Alan Jackson and Huyen Bui

Session 3: Case Studies

1:30–2 pm **Keynote: Integrated Interpretation Breathes New Life into Forties Field, UK**, Klaas Koster (*Apache*)
2–2:25 pm **Seismic Reservoir Characterization of the Morrow A Sandstone, Postle Field, Oklahoma**, Robert Benson (*Colorado School of Mines*)
2:25–2:50 pm **Integration of Seismic and Production Data at the Shenzi Field, Deepwater Gulf of Mexico**, David Tett (*BHP Billiton Petroleum*)
2:50–3:05 pm Coffee Break

Session 4: Inversion

3:05–3:35 pm **Keynote: Geological Heterogeneities Characterization Through 4D Seismic Interpretation and their Integration into Reservoir Model**, Henri Houllevigue (*Total*)
3:35–4 pm **Resolution and Detection: Is Anything in Between? Challenges in Interpreting Thin-Bedded Sandstone Reservoirs in a Complex Nonmarine Basin**, Hongliu Zeng (*BEG- University of Texas at Austin*)
4–4:25 pm **3D Simultaneous Joint Inversion of Multiple Geophysical Datasets**, Glenn Wilson (*Technoimaging*)

►Tuesday, 21 August 2012

7:30–8:30 am Continental Breakfast–Riverside Ballroom
8:20–8:30 am Opening

Session Chairmen: Henri Houllevigue and Huyen Bui

Session 5: Diagnosing Pressure and Managing Drilling Risk

8:30–9 am **Keynote: Leveraging Diversity to Decrease Exploration and Drilling Risk**, Joseph Carl Fiduk (*Schlumberger/WesternGeco*)
9–9:25 am **Real-time Updating of Integrated Earth Models to Mitigate Drilling Risk**, Andy Hawthorn (*Schlumberger/WesternGeco Earth Model Building CoE*)
9:25–9:50 am **Assessing the Risk to Drilling of Geopressure Hazards by Seismic Uncertainty Analysis**, Konstantin Osypov (*WesternGeco*)
9:50–10:05 am Coffee Break

Session 6: Rock Physics and Velocity: Prediction and Exploitation

10:05–10:30 am **3D Anisotropic Model Building using Interpolation in the Rock Physics Domain**, Ran Bachrach (*WesternGeco/Tel Aviv University*)
10:30–10:55 am **Rock Physics Constrained Tomography**, Hans Kristian Helgesen (*Statoil*)
10:55–11:30 **Discussion: Do we need an Interpretation Journal?**
Afternoon free to enjoy Beaver Creek

►Wednesday, 22 August 2012

7:30–8:30 am Continental Breakfast–Riverside Ballroom
8:20–8:30 am Opening

Session Chairmen: Evon Hostetter and Peter Pangman

Session 7: Shale Plays

8:30–9 am **Keynote: Reducing Risks and Understanding Uncertainty in Shale Plays: A South Texas Eagle Ford Case Study**, Robin Pearson and David Work (*Anadarko Petroleum Corp.*)
9–9:25 am **Marcellus Insights Delivered Using an Integrated Analysis of Multiple Geo-datasets**, Craig Beasley (*NEOS GeoSolutions*)
9:25–9:50 am **The “Seismic for Unconventionals” Technique Defines Sweet Spots in Shales**, Mark Egan (*Schlumberger/WesternGeco*)
9:50–10:05 am Coffee Break

Session 8: Crossover

10:05–10:30 am **3D Gravity Interpretation and 3D Gravity Modeling**, Kevin Crain (*The University of Oklahoma, School of Geology and Geophysics*)
10:30–10:55 am **Geophysical Basin Modeling**, Randolph Pepper (*Schlumberger*)
10:55–11:05 am Poster Introductions by Presenters
—**Gas Hydrate Reservoir Characterization of the Yung-An Ridge Offshore SW Taiwan**, Char Shine-Liu, Institute of Oceanography, National Taiwan University
—**Improved Reservoir Characterization using Moveout Stretch Compensation**, Peck Hwa David Ng, WesternGeco/Schlumberger
11:05–11:30 pm Presentations from Poster Boards
11:30–1:20 am Lunch–Riverside Terrace

Session Chairmen: Henri Houllevigue and Alan Jackson

Session 9: Interpretation

1:30–2:30 pm **Panel: Adapting to New Plays**
2:30–2:55 pm **Integrating Interpretation Expertise and Objective Data Analysis in 3D Interpretation**, Jonathan Henderson (*ffA*)
2:55–3:10 pm Coffee Break
3:10–3:35 pm **Fracture Detection Interpretation Beyond Conventional Seismic Approaches**, Gary Jones (*IHS*)